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*[Signature]*  
Attorney for Applicant

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No. : 10/647,802  
Applicant : Mitsuhiro Fukuoka  
Filed : August 25, 2003  
Title : CONVEYING APPARATUS  
  
TC/A.U. : (not yet assigned)  
Examiner : (not yet assigned)  
  
Docket No. : 2281.2.16

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Transmitted herewith is an Information Disclosure Statement disclosing information which has come to the attention of applicant and/or his attorneys and is being submitted so as to comply with the duty of disclosure set forth in 37 C.F.R. § 1.56. In accordance with 37 C.F.R. § 1.97(b), the enclosed Statement is being filed within three (3) months of the filing date of the above-identified application or before the mailing date of a first Action on the merits.

Neither applicant nor his attorneys make any representation that any information disclosed herein may be “prior art” within the meaning of that term under 35 U.S.C. § 102 or § 103. Moreover, pursuant to 37 C.F.R. § 1.97, the filing of this Information Disclosure Statement shall not be construed as a representation that a search has been made or as an admission that the

information cited herein is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

In accordance with 37 C.F.R. § 1.98, transmitted herewith are:

1. A completed copy of Form PTO/SB/08A "Information Disclosure Statement by Applicant" listing the patents, publications and other information being submitted for consideration; and
2. A legible copy of each patent, publication and other item of information in written form listed on the enclosed Form PTO/SB/08A.

#### NON-ENGLISH INFORMATION

Pursuant to 37 C.F.R. § 1.98, following is a concise explanation of the relevance (as it is presently understood by the individual designated in 37 C.F.R. § 1.56(c) most knowledgeable about the content of the information), of each listed patent, publication or other information that is not in the English language:

1. Japanese Patent Application No. 3-110012 published November 12, 1991 discloses: As shown in Fig. 1(a), a conveying apparatus includes feed rollers 4, which are coupled to a motor (not shown), and feed rollers 3, which are not coupled to any motor.
2. Japanese Patent Application No. 08-080089 published March 22, 1996 discloses:  
PURPOSE: To obviate the necessity to provide a phase-advanced capacitor by giving two-phase AC generated in an inverter directly to the positive-phase winding and the 90 degree-phase winding of a two-phase AC motor, and to enable the motor to be driven at optional rotational speed by changing the switching frequency of the inverter.  
CONSTITUTION: An inverter 60 is composed of an inverter 61 on positive phase side for getting AC E21 on positive phase side and an inverter 65 on 90 degree phase side for getting AC E22 on 90 degree phase side, and a control circuit 68 outputs pulse signals 35A1 and 35A2, and 35B1 and 35B2 so as to control a group of switching circuits 51 and 52. Hereby, the installation of an advanced-phase capacitor by giving two-phase AC E1 and E2 generated in the inverter directly to the positive-phase winding 11 and 90 degree-phase winding 12 of a two-phase AC motor 10, whereby the accident caused by the damage of heating occurrence, etc., can be removed. Moreover, the motor can be driven at optional speed by changing the switching frequency of the inverter 60.

3. Japanese Patent Application No. 11-301842 published November 2, 1999  
discloses:

PROBLEM TO BE SOLVED: To provide an in-loading conveyer capable of forming a conveying route longer than by technique in the past without enlarging a diameter of a conveying roller, and setting the conveying route to a desired length.

SOLUTION: An in-loading conveyer is provided with a plurality of belt conveyers 11A, 11B, 11C arranged so as to deliver an article 30 successively along a prescribed conveying route X. An index part 4 for indicating a loading position of the article 30 is provided in belts 2A, 2B, 2C of each belt conveyer 11A, 11B, 11C. By inverter controlling each drive motor M1, M2, M3, a conveying speed of each belt 2A, 2B, 2C is controlled so as to synchronously move the index part 4 of each belt conveyer 11A, 11B, 11C.

4. Japanese Patent Application No. 2000-344332 published December 12, 2000  
discloses:

PROBLEM TO BE SOLVED: To reduce a power transmitting mechanism and simplify the assembling and the maintenance in a motor roller including a motor part inside a roller part, by providing end caps mounted on ends of the roller part, with a mounting part for an actuating mechanism forming means.

SOLUTION: A motor roller 10 comprises a roller part 11 and shaft bodies 12, 13 projecting from both ends of the roller part 11 for rotatably supporting the roller part 11, and the motor part 14 is mounted on one of the shaft bodies 12. The rotational driving force of the motor part 14 is transmitted to the roller part 11 through a reduction gear part 15, and end caps 17 are mounted to close both ends of the roller part 11. Bearings 21, 23 are fitted on the centers of the end caps 17, insertion holes 35 for inserting the shaft bodies 12, 13, are respectively formed on the end caps 17, and a plurality of screw holes 36 are formed around the insertion holes 35 as the mounting parts, so that an actuating mechanism such as a changeover conveyor and the like can be mounted by utilizing the screw holes 36.

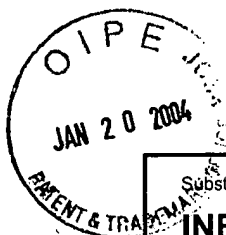
Respectfully submitted,



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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)  Sheet 1 of 1	<b>Complete if Known</b>	
	Application Number	10/647,802
	Filing Date	August 25, 2003
	First Named Inventor	Mitsuhiro Fukuoka
	Group Art Unit	
	Examiner Name	
	Attorney Docket Number	2281.2.16

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
	F1	JP – 3-110012	11/12/1991			
	F2	JP – 08-080089	3/22/1996	Hisao, et al.		
	F3	JP – 11-301842	11/02/1999	Katsumi, et al.		
	F4	JP – 2000-344332	12/12/2000	Tatsuo, et al.		

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04.

<sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you are required to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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